

Wednesday 16 November 2005

14:00	Registration												
15:30	Welcome - Grand Amphithéâtre <i>T. Leibfried - G. Binder</i>												
15:45	Working group discussions												
	<table border="0" style="width:100%; border:none;"> <tr> <td align="center" style="width:25%;">Discret Event Systems</td> <td align="center" style="width:25%;">ICD</td> <td align="center" style="width:25%;">Automotive</td> <td align="center" style="width:25%;">Signal Processing</td> </tr> <tr> <td align="center">Salle Réunion Administrative</td> <td align="center">Grand Amphithéâtre</td> <td align="center">Salle Réunion Recherche</td> <td align="center">Salle Conseil</td> </tr> <tr> <td align="center"><i>M. Di Mascolo</i></td> <td align="center"><i>B. Koeppen-Seliger & T. Laengle</i></td> <td align="center"><i>L. Dugard</i></td> <td align="center"><i>F. Lepage</i></td> </tr> </table>	Discret Event Systems	ICD	Automotive	Signal Processing	Salle Réunion Administrative	Grand Amphithéâtre	Salle Réunion Recherche	Salle Conseil	<i>M. Di Mascolo</i>	<i>B. Koeppen-Seliger & T. Laengle</i>	<i>L. Dugard</i>	<i>F. Lepage</i>
Discret Event Systems	ICD	Automotive	Signal Processing										
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17:00	Coffee Break												
17:15	IAR plenary discussion - Grand Amphithéâtre												
18:00	IAR directory meeting & Transfer to Hotel												
20:00	Gala Dinner @ Gargantua restaurant												

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8:00	Late registration		
9:00	Opening session - Grand Amphithéâtre T. Leibfried - JP. Bedez		
9:15	Brussels Session - Grand Amphithéâtre European 7th Framework Programme for Research and Technological <i>Dr. Zimmerman</i>		
10:00	Coffee Break		
10:20	Memorial session - Grand Amphithéâtre In memory of Paul Frank <i>S. Ding</i>		
11:00	<p style="text-align: center;">IAR - Signal Processing 1 - PA <i>B. Keith</i></p> <p>Non-stationary signals denoising : time-scale and time-varying filtering methods <i>F. Abda, D. Brie, R. Ranta</i></p> <p>Sensitivity Analysis Based Weighting of the Cost Function for Physical Parameters Estimation <i>J. Caroux, M. Basset, G. L. Gissinger</i></p> <p>Vector Quantization In Image Compression <i>P. Ganzemann, B Migault, E. Smigiel</i></p>	<p style="text-align: center;">IAR - Discret Event System - Salle Conseil <i>F. Lepage</i></p> <p>Analysis of Batch Building Processes <i>M. Schleyer, K. Furmans</i></p> <p>Analysis of a Heijunka kanban system <i>J. Matzka, M. Di Mascolo, K. Furmans</i></p> <p>Remote visual control of a robot through a communication network <i>B. Buttice, F. Lepage</i></p>	<p style="text-align: center;">Session ACD1 - GA <i>S. X. Ding</i></p> <p>Fault Detection Based on Wavelet Transform and Fuzzy Decision Making <i>S. Lesecq, S. Taleb, S. Gentil</i></p> <p>A Fault Detection Approach for the Systems With Uncertain Noise Variance <i>Y. Ma, S. X. Ding, Z. W. Gao</i></p> <p>Complex Process Identification Using AKL Networks <i>H. Wang, S. X Ding, Z. Song, P. Li</i></p>
12:15	Lunch		

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14:00	<p align="center">Plenary Session - Grand Amphithéâtre Experimental data processing as an inverse problem <i>Jérôme Idier</i></p>		
14:45	<p align="center">IAR - Invited session - Grand Amphithéâtre Self-tuning and adaptive control: review and aim of a UK MSc programme in Control Engineering <i>J. G. Linden, B. Vinsonneau, K. J. Burnham</i></p>		
15:15	<p align="center">Coffee break</p>		
15:30	<p align="center">IAR - Signal Processing 2 - PA <i>D. Brie</i></p> <p>Organ Motion Modelling and Prediction for Adaptive Radiotherapy <i>A. Sahih, O. Haas, K. Burnham, J. Mills</i></p> <p>Errors-in Variables Extended Kalman Filter <i>B. Vinsonneau, D. P. Goodall, K. J. Burnham</i></p> <p>New methods for time-varying frequency estimation from distorted harmonic signals in power systems <i>D. O. Abdeslam, P. Wira, D. Flieller, J. Mercklé</i></p>	<p align="center">IAR - Navigation - Salle Conseil <i>M. Basset</i></p> <p>Vision Aided Navigation of a Four-Rotor Helicopter <i>C. Schlaile, J. Wendel, O. Meister, G. F. Trommer</i></p> <p>A bicycle navigation system based on GPS and dead reckoning <i>J. Wendel, V. Leonhard, O. Meister, G. F. Trommer</i></p> <p>Development of a Heading Determination System using GPS Carrier Phase Measurements <i>R. Mönikes, J. Wendel, G. F. Trommer</i></p>	<p align="center">Session ACD2 - GA <i>L. Dugard</i></p> <p>A Combinative Method For Fault Detection Of Networked Control Systems <i>L. Heng, C. Yue, Y. Hao</i></p> <p>Design Method For Robust Hoo Fault Tolerant Control of Uncertain Systems Based on LMI Theory <i>J. Wu, S. X. Ding, Z. Wang</i></p> <p>A model-free fault detection approach of continuous-time systems from time domain data <i>P. Zhang, S. X. Ding</i></p> <p>Control/Fault Diagnosis interactions for structured bilinear systems <i>T. Boukhobza, F. Hamelin</i></p> <p>Reducing SpO2 false alarms in ICU using multivariable analysis of physiological parameters <i>L. Badji, S. Charbonnier, D. Pean, S. Gentil</i></p>
17:35			

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09:00	<p>Plenary Session - Grand Amphithéâtre Data validation and diagnosis using interval analysis <i>José RAGOT, Didier MAQUIN</i></p>
09:45	<p>Coffee Break</p>
10:00	<p>Session ACD3 - Grand Amphithéâtre</p> <p>Normalized performance indices applied to condition monitoring of a robot arm <i>V. Hölttä</i></p> <p>Multilabel Instances Classifications : Application to Vehicle Failure Isolation <i>N. Charkaoui, B. Dubuisson, S. Millemann</i></p> <p>Modeling and Monitoring of Hybrid Dynamic Systems with Feed-Forward Neural Networks: application to two tanks hydraulic system <i>N. Messai, P. Thomas, D. Lefebvre, B. Riera, A. Elmoudni</i></p> <p>Case studies on fault tolerant control for port-Hamiltonian systems: an internal model based approach <i>C. Bonivento, L. Gentili, A. Paoli</i></p> <p>Algebraic method for Robust Fault Detection and Isolation on Nonlinear Systems <i>D. Berdjag, C. Christophe, V. Cocquempot, B. Jiang</i></p>
12:05	<p>Lunch</p>

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13:30	<p style="text-align: center;">Session ACD4 - Grand Amphithéâtre</p> <p style="text-align: center;">Sensor Selection For Immediate Diagnosis Of Faulty Behaviours With Petri Net Models <i>D. Lefebvre</i></p> <p style="text-align: center;">Narmax Multi-Model Based Dynamic Nonlinear Systems Behaviour Prediction <i>T. Lamine, M. Kurosh, M. Rachid, S. Gustave</i></p> <p style="text-align: center;">Toward Surface Imperfections Diagnosis Using Optical Microscopy Imaging In Industrial Environment <i>M. Voiry, F. Houbre, V. Amarger, K. Madani</i></p>
14:45	<p style="text-align: center;">End of workshop</p>